



- ▶ Front mounted cultivator  
**Topas**



- ▶ Pre-cultivators  
**Dolomit** and  
**Labrador**





# Front mounted cultivator Topas



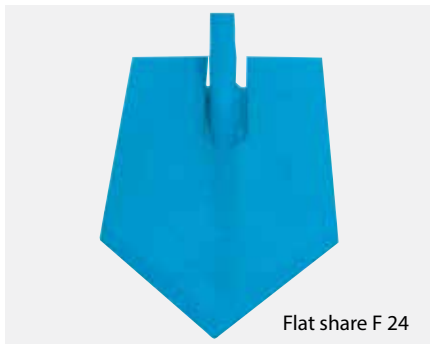
## Even load distribution

The short and compact design of the Topas ensures a positive centre of gravity. The symmetrical positioning of the tines on the 140 mm square box section frame ensures an even draft which is particularly important when attached to the tractor's front linkage. Tine distance is adjustable to suit the following implement.

## High frame clearance

The outer guideboards provide ridge free operation between passes and large inter-tine and under frame clearance enables operation in dense trash conditions. Multi-adjustable depth wheels ensure an exact depth control. An adjustable rear PTO enables the use of the original PTO shaft of the following implement to be used.





Flat share F 24

### Working quality and economic efficiency

The Topas 140 is fitted with the point and wing combination from the renowned Lemken Smaragd stubble cultivator.

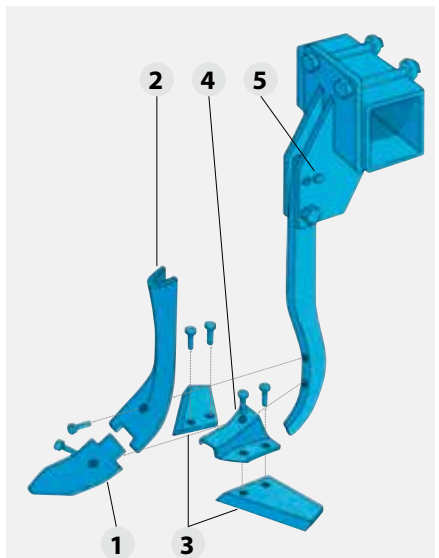
- All wear parts are bolted to the frog and maybe changed individually for low cost operation.
- The F 20 flat share converts the Topas 140 into a chisel type cultivator and is suitable for use in light to medium soils to provide primary loosening.



### Front or rear mounted cultivator – in one unit

The conversion of the Topas from a rear mounted to a front mounted cultivator is extremely simple.

- The rear linkage is raised and retained in an upright position.
- The Topas can then be connected to the tractor's front linkage.
- It is recommended to fit the Topas with optional pneumatic castor wheels when used in the front mounted position.



#### Point (1):

The special design ensures an intensive soil loosening. The width of the wings provides total soil movement throughout their working life.

#### Guideport (2):

The strategic shape of the guideboard assists the mixing of soil and trash while directing soil away from previous passes a preventing trash blockages.

#### Wings (3):

The two piece wings totally cut and loosen the soil across the full width of the implement.

#### Frog (4):

The point, wings and guideboards are mounted to the tine via a frog enabling the replacement of each part individually.

#### Tine angle adjustment (5):

The simple angular adjustment of each tine ensures the optimum working efficiency is achieved in a wide variety of soil types and conditions.



### Short, compact design with ideal centre of gravity, suitable for use in combination.



# Dolomit 9 Pre-Loosener



When using cultivation methods that work without ploughs, for example with mulch seed drill combinations,

regularly loosening compaction in the subsoil is necessary. The Dolomit 9 pre-loosener from LEMKEN is ideal for

all of these applications, and is especially suited for use with the Zirkon power harrow from LEMKEN.

## Pre-loosener compact in design and with optimum coupling point distance



- The single-beam frame with 160 x 140 mm frame tube of the Dolomit 9 is particularly sturdy and warp-resistant.
- The extremely compact design results in a minor displacement of the centre of gravity for mounted drill combinations consisting of a power harrow and seed drill.
- Depending on the working width, the Dolomit 9 is equipped with 4 tines (3 metres) or 6 tines (4 metres). This ensures that the soil is always loosened over the whole width.
- The 60 cm-wide, one-piece wing with a hardfaced bolt-on point and wear edge on the coulter bar provides intensive loosening and a long service life.
- For universal applications with the Dolomit 9, the working depth can be adjusted between 5 and 35 cm without tools via a series of holes, regardless of the trailing implement.

# Labrador Tramline Subsoiler



## Prevent Yield Losses due to Waterlogging

Waterlogging prevents well-regulated gas exchange in the soil. Crop root growth is impeded, and nutrient uptake is highly restricted. These symptoms lead to yield losses. To prevent this from happening, targeted subsoil loosening is particularly important.

- Soil compaction due to frequent traffic in specific areas of the field (e.g. headlands, tramlines, etc.)
- Soil compaction due to traffic with heavy machinery (harvesters, transport vehicles, etc.)
- Impervious layers in the subsoil (hardpan layer)

## Loosen Tramlines up to a Depth of 65 cm

A basic frame with a 160 mm square profile guarantees high stability and long service life. The hard-faced chisel shares, like the stalk guard, are reversible and thus provide longer use.

- The flat gradual shape of the chisel makes the Labrador particularly easy to pull. It also ensures that the soil breaks up towards the front and upwards.
- Infinitely variable adjustment of the chisels on the frame from 100 - 225 centimetres tractor track width.
- In addition to tramline loosening, a 3rd chisel is available as an accessory for other loosening measures.

## Protection from Damage

Double-cutting shear bolt devices with a shear force of 8.5 t per bolt provide protection from damage, without deflecting right away on small obstacles.

- Like all other LEMKEN implements, the Labrador is equipped with a spring-steel cross shaft.
- Its elasticity absorbs impacts and thus protects the tractor and implement.

# Technical Data

## Front mounted cultivator Topas

Description	Working width [cm]	Weight [kg]	HP	kW	Number of tines
Topas 140-5-250	250*	381	70-135	51-99	5
Topas 140-7-300	300	415	90-150	66-110	7
Topas 140-9-400	400	540	100-170	74-125	9

\* can be enlarged for 3 m working width

## Pre-Loosener Dolomit 9

Description	Working width [cm]	Weight [kg]	HP	kW	Number of legs
Dolomit 9/300	300	430	80-170	59-125	4
Dolomit 9/400	400	550	100-200	74-147	6

## Subsoiler Labrador

Description	Working width [cm]	Weight [kg]	HP	kW	Number of legs
Labrador 160	100-225	485	75-175	55-129	2

### Standard equipment Topas:

- Box section frame 140 x 140 mm
- Rigid tines with shearbolt device
- Wing shares, on request flat shares for deeper soil loosening without mixing
- Three-point linkage Cat. 2 (or Cat. 3)
- Outer guideboards
- Underframe clearance 75 cm
- Tine step of 60 cm
- Angle adjustment

### Standard equipment Dolomit:

- Lower link attachment Cat. 2 and Cat. 3
- Box section frame 160x160 mm and 140x140 mm
- Hard-faced points and one-piece wing shares
- Height adjustable legs

### Standard equipment Labrador:

- Lower link attachment Cat. 3N=L2 Z3 (or Cat. 3)
- Box section frame 160 x 160 mm
- Reversible and exchangeable shares and shins
- Double cutting shearbolt device
- Underframe clearance 80 cm
- Stand
- Adjustable legs to all tractor track widths

All information, measurements and weights are subject to continuing technical further development and therefore non-binding. Given weights are always based on the basic equipment. The right to change specifications is retained.



# Service decides



When you have bought a machine from LEMKEN, the well known, almost proverbial LEMKEN service starts. 17 customer-oriented factory branches and outdoor storage areas in Germany as well as our own sales companies and importers in more than 50 countries, and a strong dealer network, ensure that machines and spare parts are supplied quickly. If a part is not in stock, it can be delivered to the customer within 24 hours via the LEMKEN logistics centre which is manned round-the-clock 365 days a year.

## **Knowledge from the LEMKEN specialist**

Well trained customer service technicians are available to farmers, contractors and trade, who are using machinery for the first time, as well as for professional maintenance and repairs. Thanks to regular training courses, LEMKEN customer service is always up to date with the latest LEMKEN technology.



## **Original spare parts from LEMKEN**

LEMKEN wearing parts are designed for a maximum service life. High-quality materials, the latest production methods, and an intensive quality control ensure a long service life. Therefore, all original spare parts bear a unique identification with the registered LEMKEN trademark. Original spare parts can be ordered at any time online on the Internet via the LEMKEN information and ordering system.



As professional crop production specialists, LEMKEN is one of the leading companies in Europe, with over 1,100 employees worldwide, achieving sales revenues of more than EUR 360 m. Originally founded in 1780 as a blacksmith's forge, the family company produces high-quality and high-performance farm machinery for soil cultivation, sowing and plant protection at its German headquarters in Alpen and at its two other production sites in Föhren and Meppen. 72 percent of the approximately 17,200 machines per year are exported.



**LEMKEN in Alpen/Germany**



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**Semi-mounted ploughs**



**Furrow presses**



**Front presses**



**Compact combinations**



**Seedbed combinations**



**Power harrows**



**Compact disc harrows**



**Cultivators**



**Subsoilers**



**Seed drills**



**Drill combinations**



**Mounted field sprayers**



**Trailed field sprayers**

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